



Section I

200 Area Materials & Waste Management

PROJECT MANAGERS

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INTRODUCTION

The 200 Area Materials and Waste Management consist of Project Baseline Summary (PBS) RL-CP02, Work Breakdown Structure (WBS) 3.3.2, except for ERDF.

NOTE: Cost/Schedule data contained herein is as of November 30, 2001. All other information is as of November 30, 2001 unless otherwise noted.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that one milestone was completed early.

NOTABLE ACCOMPLISHMENTS

Mixed Low Level Waste (MLLW) Treatment — ATG received Debtor in Possession status as part of their bankruptcy proceedings. They have begun staffing up again and hope to start non-thermal MLLW treatment in January 2002.

CBFO Non-Destructive Assay (NDA) Corrective Action Reports (CARs) — All corrective actions have been completed for closure of the subject CARs. Based upon the results of the December 18-19, 2001 EPA/Carlsbad Field Office (CBFO) surveillance and earlier evaluation of the closure documentation, CBFO has agreed to close all CARs. Formal closure documentation will be transmitted from CBFO to Hanford in January 2002.

Plutonium Finishing Plant (PFP) NDA Batch Reports — The initial NDA batch reports from PFP assay of residues packaged in pipe over-pack containers have been validated by the Transuranic (TRU) Program Office. Several of these reports were evaluated during the December 18 -19, 2001 EPA/CBFO surveillance. No deficiencies with the batch reports were noted during the surveillance.

Hanford TRU Quality Assurance Project Plan (QAPjP) — CBFO has approved revision 5 of the Hanford TRU Waste QAPjP. The primary change in the revision allows Hanford to perform headspace gas sampling of TRU waste using the "needle-method". The previous method of headspace gas sampling ("gas-tight seal") used by Hanford was eliminated during recent modifications of the WIPP RCRA Permit.

PFP Support — Supported the PFP by receiving 121 Pipe Overpack Containers of stabilized Hanford ash residues for storage during October, November and December (32 received in October, 30 in November, and 59 in December). Also received the first eleven direct-discard waste drums from the PFP for storage in December.

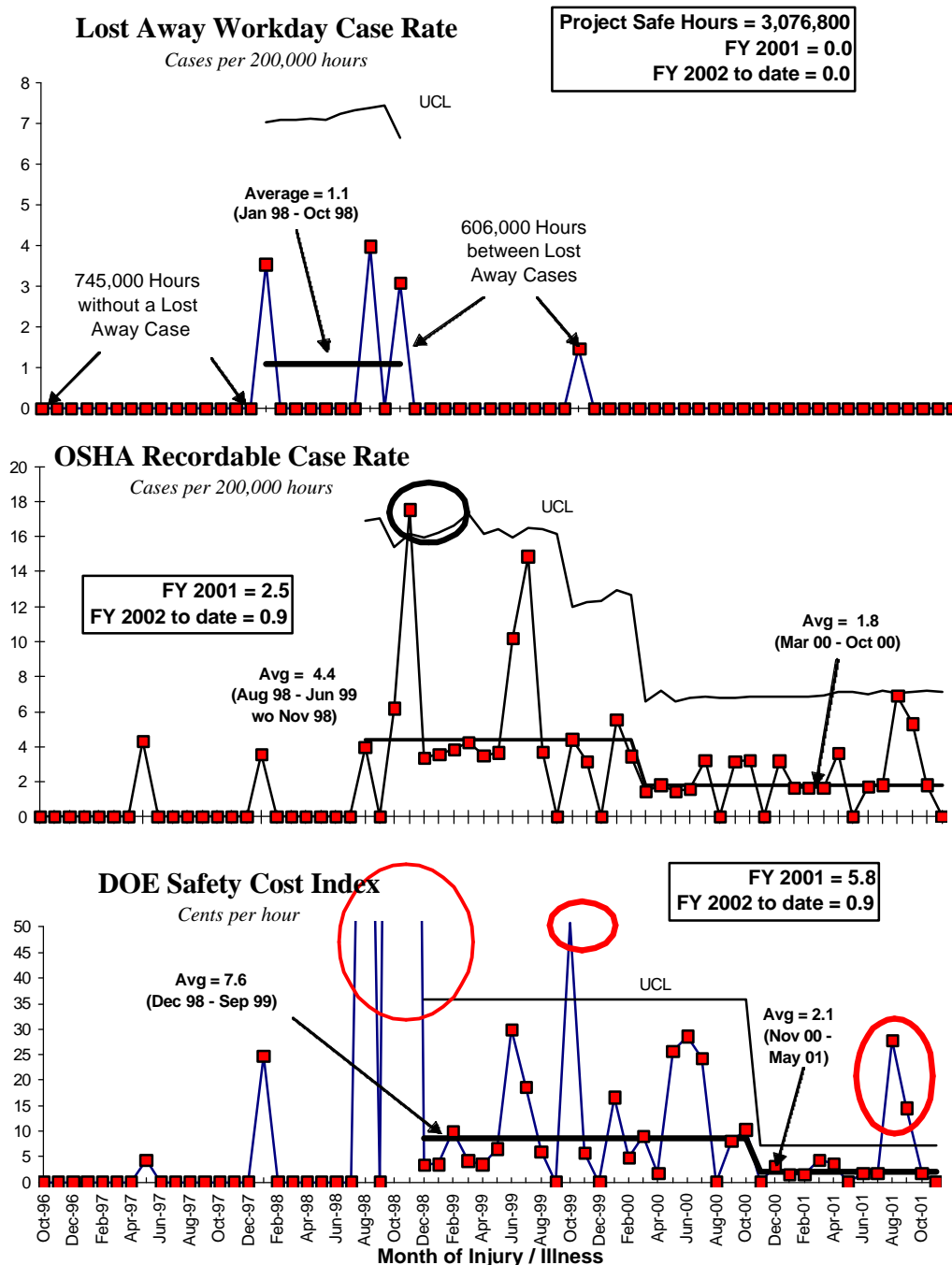
Support to 300 Area Cleanup — Supported removal of waste from the 324 and 327 buildings.

Liquid Waste Processing — Processed over 7.3 million gallons of wastewater through the 200 Area Effluent Treatment Facility (ETF) thus far in FY 2002 supporting a variety of generators, including the Environmental Restoration Contractor (200-UP-1 Groundwater).

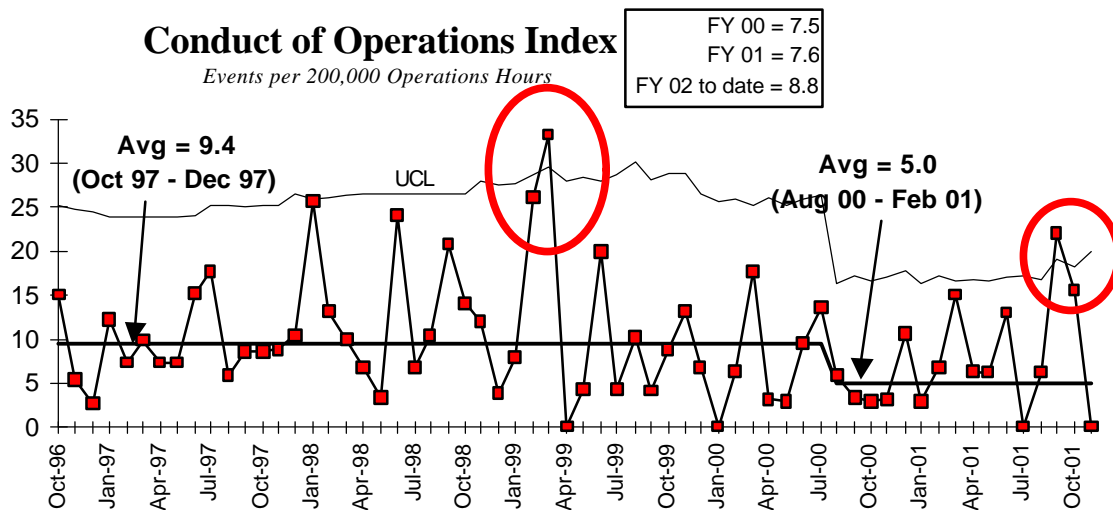
Waste Encapsulation and Storage Facility (WESF) — 1) Completed annual inner capsule movement testing. 2) Completed removal of steam and water hoses at the K3 filter enclosures which allowed for elimination of an outdoor Contamination Area.

SAFETY

Waste Management has exceeded 3 million hours since the last lost time injury occurred in October 1999. At the present rate, the project's OSHA recordable case rate will be 0.65 at the end of December, slightly below the Fluor goal of 0.9. The WM VPP Steering Committee completed the first annual self assessment of the WM Safety and Health program. The results of the assessment are being reviewed with facility/project employee zero accident councils to develop goals and objectives to address "opportunities for improvement" identified in the assessment.



CONDUCT OF OPERATIONS



BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

BREAKTHROUGHS

Waste Management is currently evaluating the conversion of the Waste Receiving and Processing Facility (WRAP) low-level waste glovebox line to provide added TRU waste processing capability. This conversion will improve WRAP operating reliability, increase throughput capacity, and through the application of supercompaction to waste destined for the Waste Isolation Pilot Plant (WIPP), will offer considerable return on investment (savings) over the FH contract period. Funding has been approved through the Accelerated Site Technology Deployment Process for conversion of the WRAP low-level glove box for use on TRU waste.

OPPORTUNITIES FOR IMPROVEMENT

No opportunities for improvement are identified at this time.

UPCOMING ACTIVITIES

PFP Support — Continue to receive waste in support of Hanford ash processing through February 2002. Continue receiving stabilized direct discard waste solutions through February 2002.

Waste Encapsulation and Storage Facility (WESF) Operations - Prepare for DNFSB 2000-2 Phase II assessment of Confinement Ventilation Systems and Fire Protection System. In-field portion has been rescheduled to March 2002.

TRU Waste Retrieval — Continue technical planning to support buried drum retrieval start-up by April 2002.

Accelerate Readiness to Receive SNF K Basin Sludge — 1) Complete RL Operation readiness Review (ORR) for Shippingport (PA) fuel, 2) Initiate Shippingport fuel movement, and 3) Accelerate T Plant Canyon cell cleanout.

MLLW Treatment — Continue characterization and direct disposal activities. Work with ATG on receipt of treated wastes shipped to them last fiscal year.

Headspace Sampling Confirmatory Testing — Following contractual direction from RL, confirmatory testing of the "gas-tight seal" headspace gas sampling method will be performed. The results of the confirmatory testing will be provided to CBFO to support submittal of a permit modification to the WIPP RCRA Permit. This permit modification is necessary to utilize characterization data from 204 TRU waste drums previously sampled using this method.

300 Area Cleanup Support — Support the removal of a Curium/Americium source from the 327 Facility. Support characterization, transport and storage of 324 pipe pit Remote-Handled (RH) wastes.

Liquid Waste Processing — Continue groundwater processing at the 200 Area ETF.

MILESTONE ACHIEVEMENT

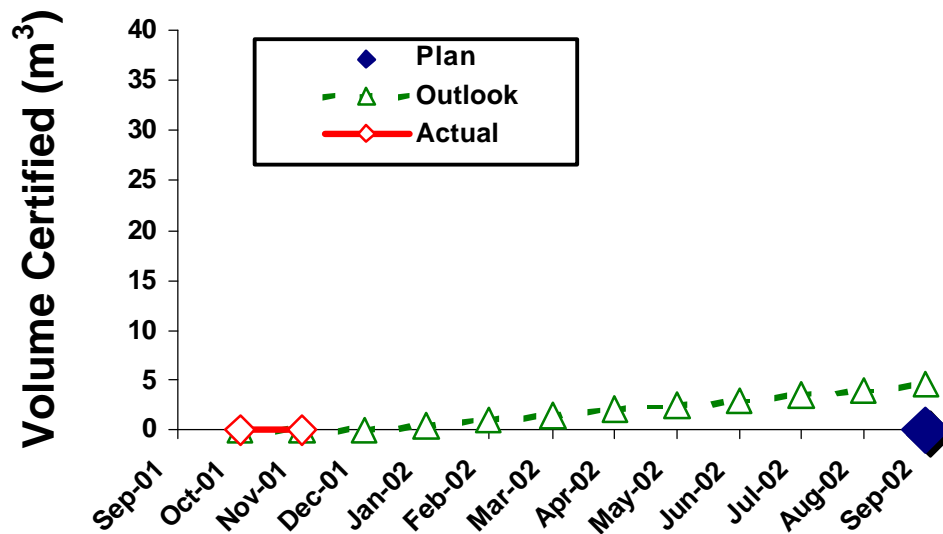
FH Contract Milestones

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status / Comment
M-19-00	Complete Treat/Disp 1,644 CM of CH-LLMW	EA	09-30-02	10-23-00	10-23-00	COMPLETE
M-7-1E	Complete T Plant preparation for storage of K Basins sludge	PI Stretch	10-30-02		10-30-02	ON SCHEDULE
M-7-2A	Complete ORR for K Basins Sludge Receipt	PI Base	10-30-02		10-30-02	ON SCHEDULE
M-91-12A	Treat 240 Cubic Meters by 12/31/2002	EA	12-31-02		12-31-02	Assessing impacts of ATG situation
M-91-20	T Plant ready to rec. canister of K Basin floor pit sludge	EA	12-31-02		12-31-02	ON SCHEDULE
M-26-05J	Prep Biennial Tritium Treatment Tech Evaluation Report	EA	08-31-03		08-31-03	ON SCHEDULE
M-7-2B	Complete Readiness Assessment K Basins Canister & Fuel Sludge Receipts	PI Base	01-01-04		01-01-04	ON SCHEDULE
M-7-3B	De-Post T Plant Canyon as Airborne Radiation Area	PI Stretch	01-01-04		01-01-04	ON SCHEDULE
M-91-22	T Plant ready to rec. Canister & fuel wash sludge from K Basin	EA	02-29-04		02-29-04	ON SCHEDULE
M-91-07	Complete W-113 for Post 1970 CH TRU / TRUM Retrieval	EA	09-30-04		09-30-04	Under renegotiation. Date TBD
M-1-2	Consolidate Sitewide SNF in 200 A Dry Storage	PI Base	02-28-05		02-28-05	ON SCHEDULE
M-26-05L	Prep Biennial Tritium Treatment Tech Evaluation Report	EA	08-31-05		08-31-05	ON SCHEDULE
M-5-2	Complete Thermal Treatment 600 m ³ MLLW by 12/31/05	PI Base	12-31-05		12-31-05	ON SCHEDULE
M-5-1B	Complete Treatment / Disposal 9820 m ³ of MLLW	PI Stretch	06-30-06		06-30-06	ON SCHEDULE
M-7-3C	Clear Remaining Stored Equipment from T Plant Canyon Deck	PI Stretch	06-30-06		06-30-06	ON SCHEDULE

M-4-1D	Retrieve 15,200 Suspect TRU Waste	PI Stretch	09-30-06		09-30-06	ON SCHEDULE
M-6-1A	Certify 580 m ³ of TRU waste	PI Stretch	09-30-06		09-30-06	ON SCHEDULE
M-6-1B	Complete 68 TRU Waste Shipments to WIPP	PI Stretch	09-30-06		09-30-06	ON SCHEDULE

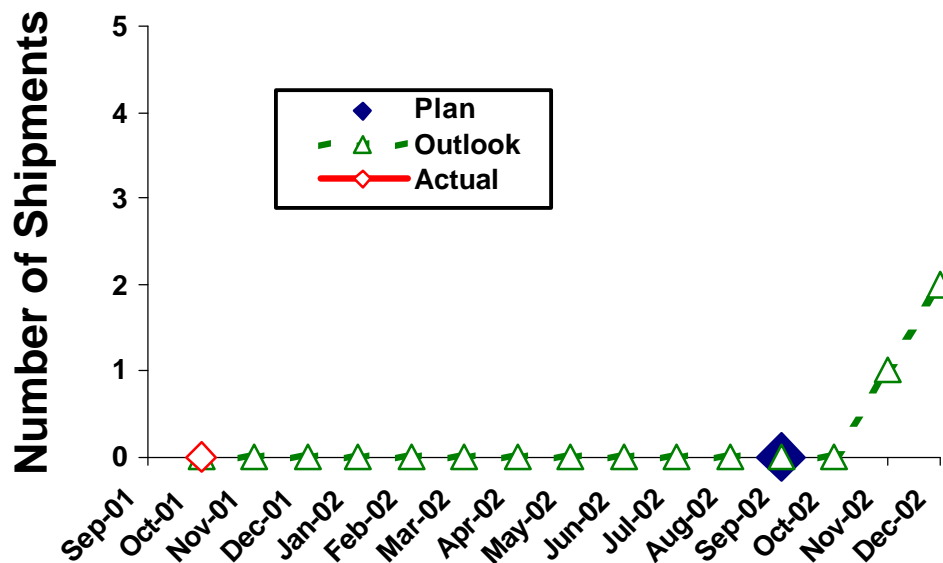
PERFORMANCE OBJECTIVES

CERTIFY TRU WASTE (FHI-M6)



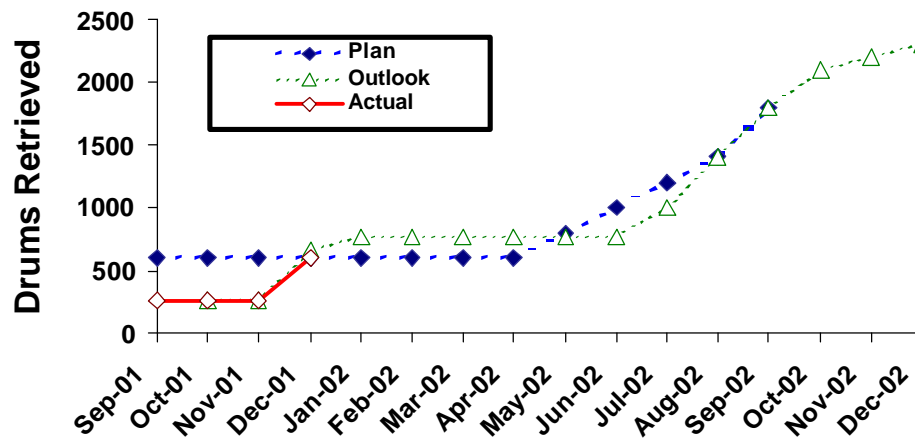
Minimum quantities are planned to maintain WIPP certification.

SHIP TRU WASTE (FHI-M6)

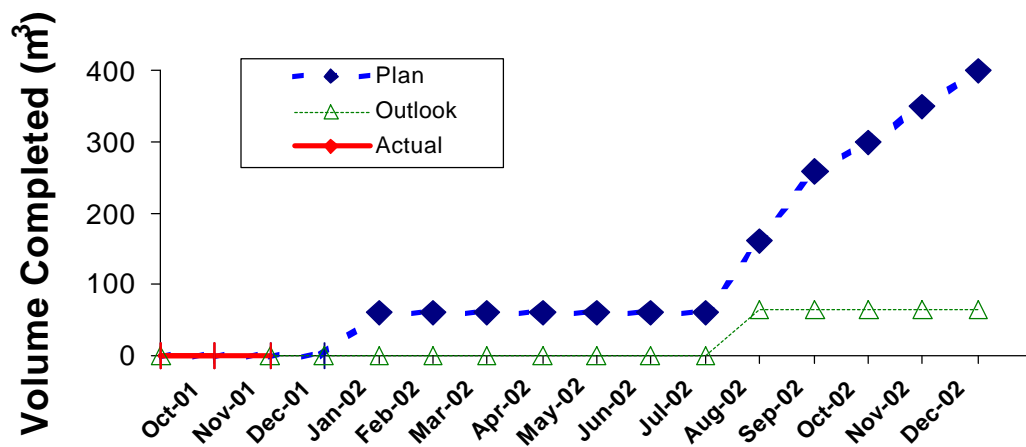


Outlook reduced from 3 shipments in FY 2002 to zero due to loss of \$1.6M reinvestment funds.

RETRIEVE TRU WASTE (FHI-M4)

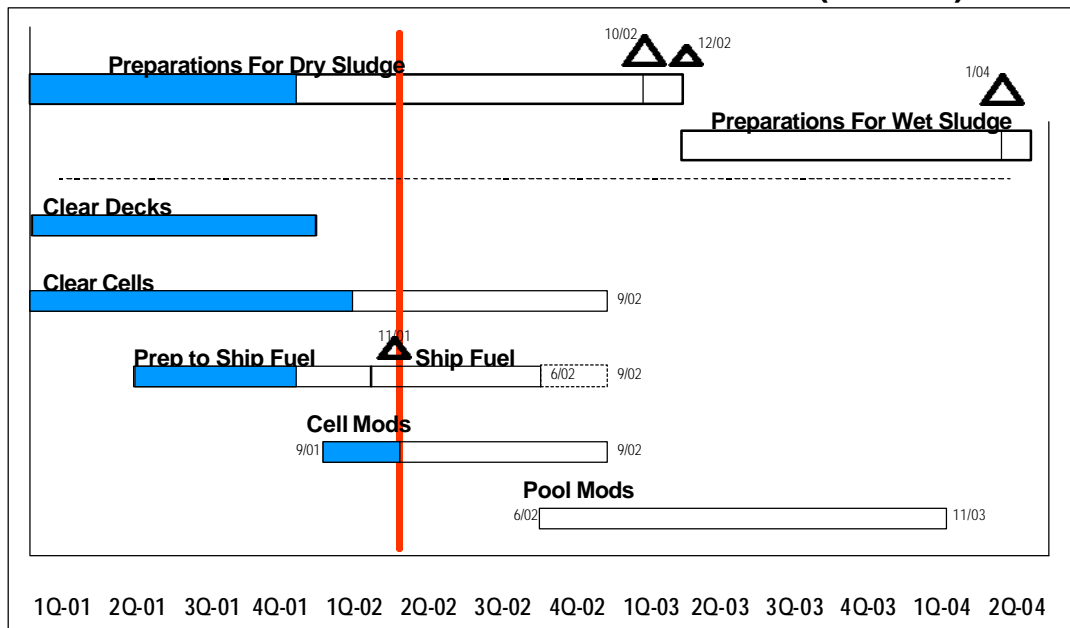


TREAT AND DISPOSE MLLW (FHI-M5)



Alternatives to ATG treatment are being evaluated.

ACCELERATE READINESS TO RECEIVE K-BASIN SLUDGE (FHI-M7)



FY 2002 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES FY TO DATE STATUS – (\$000)

		FYTD									
		BCWS	BCWP	ACWP	SV	%	CV	%	BAC	EAC	
PBS CP02	SW Storage & Disposal	\$ 1,652	1807	\$ 1,682	\$ 156	9%	\$ 126	7%	\$ 11,379	\$ 11,379	
WBS 3.3.2.1											
PBS CP02	MLLW Treatment	\$ 78	\$ 126	\$ 108	\$ 48	61%	\$ 18	14%	\$ 3,458	\$ 3,458	
WBS 3.3.2.2											
PBS CP02	SW Treatment	\$ 1,430	\$ 1,632	\$ 2,017	\$ 202	14%	\$ (386)	-24%	\$ 10,678	\$ 10,678	
WBS 3.3.2.3											
PBS CP02	TRU Program	\$ 1,778	\$ 2,030	\$ 1,566	\$ 252	14%	\$ 464	23%	\$ 13,310	\$ 13,310	
WBS 3.3.2.4											
PBS CP02	WESF	\$ 1,131	\$ 1,119	\$ 1,101	\$ (12)	-1%	\$ 18	2%	\$ 7,717	\$ 7,717	
WBS 3.3.2.5											
PBS CP02	200 A LWPF	\$ 2,052	\$ 2,221	\$ 2,134	\$ 169	8%	\$ 88	4%	\$ 15,750	\$ 15,750	
WBS 3.3.2.6											
PBS CP02	Project Management	\$ 3,076	\$ 3,162	\$ 2,656	\$ 87	3%	\$ 507	16%	\$ 18,877	\$ 18,877	
WBS 3.3.2.9											
Total		\$ 11,197	\$ 12,099	\$ 11,264	\$ 902	8%	\$ 835	7%	\$ 81,170	\$ 81,170	

FY TO DATE SCHEDULE / COST PERFORMANCE

The \$0.9 million (8 percent) favorable schedule variance was primarily due to the progress on and/or completion of FY 01 work scope that was behind schedule at year end (BCWS was in FY 2001 baseline), and credit taken in the TRU Program for work completed in FY 2001. The favorable variance was offset by the T-plant ORR for the spent fuel removal being stopped to resolve and implement assessment comments.

The \$0.8 million (7 percent) favorable cost variance was primarily due to the completion of FY 2001 workscope costing less than planned, contracts not being placed and credit taken for the TRU Program for work completed in FY 2001. Increased costs for the T-Plant spent fuel removal ORR preparation and assessment corrective actions offset the favorable variance.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

Schedule Variance Analysis: (+\$0.9M)

SW Storage & Disposal — 3.3.2.1/CP02

Description/Cause: The favorable schedule variance is due to the completion of FY 2001 work scope that was behind schedule.

Impact: There is no significant project impact at this time.

Corrective Action: No corrective action needed.

SW Storage & Disposal — 3.3.2.2/CP02

Description/Cause: The favorable schedule variance is due to the FY 2001 treatment work scope being completed in FY 2002.

Impact: There is no significant project impact at this time.

Corrective Action: No corrective action needed.

SW Treatment — 3.3.2.3/CP02

Description/Cause: The favorable schedule variance is due to FY 2001 work scope, T Plant pre-filter replacement, being completed in November and the continued effort on the T-Plant fan replacement project. The favorable variance was offset by the T-Plant ORR for spent fuel removal being stopped to resolve and implement assessment comments.

Impact: Spent Fuel removal is behind schedule and impacts are being evaluated.

Corrective Action: ORR corrective actions are being implemented and a path forward for spent fuel removal is being developed.

TRU Program— 3.3.2.4/CP02

Description/Cause: The favorable schedule variance is due to BCWP taken in October for 3 WIPP shipments completed in FY 2001 and NDE/NDA being ahead of schedule in FY 2002. Also, the FY 2001 TRU retrieval activity for uncovered drums is continuing and should be completed in January.

Impact: There is no significant project impact at this time.

Corrective Action: No corrective action needed.

Cost Variance Analysis: (+ \$0.8M)

SW Treatment — 3.3.2.3/CP02

Description/Cause: The unfavorable cost variance is due to the increased costs for the T-Plant ORR preparation and assessment corrective actions.

Impact: Cost impacts are being evaluated.

Corrective Action: Actions will be taken once a path forward is approved to resolve cost impacts.

TRU Program— 3.3.2.4/CP02

Description/Cause: The favorable cost variance is due to BCWP taken in October for 3 WIPP shipments completed in FY 2001 and completion of FY 2001 work scope.

Impact: There is no significant project impact at this time.

Corrective Action: No corrective action needed.

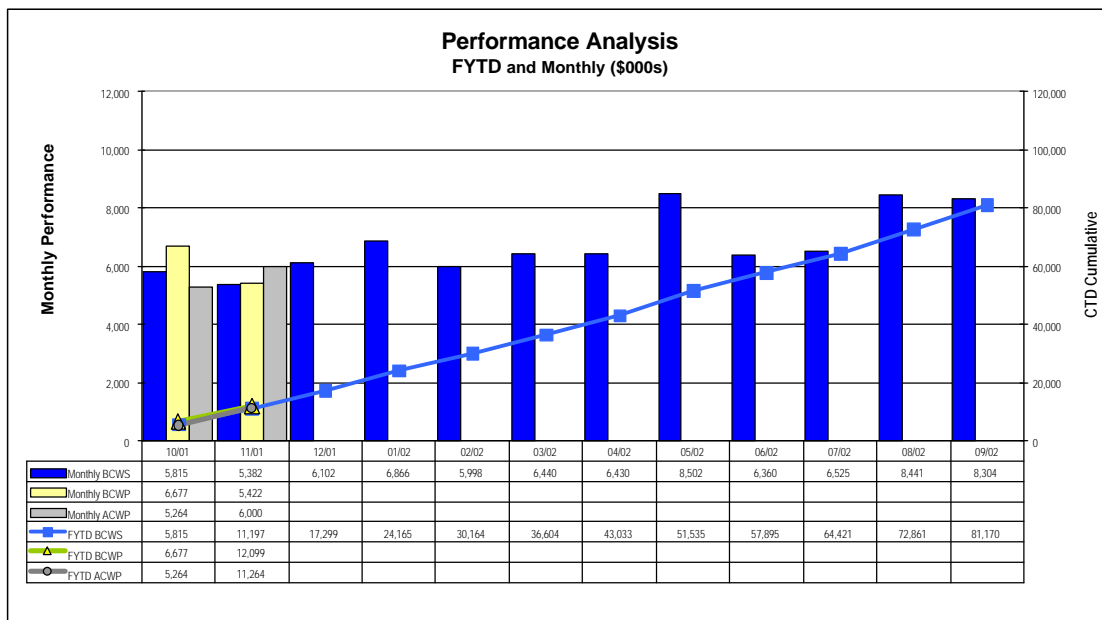
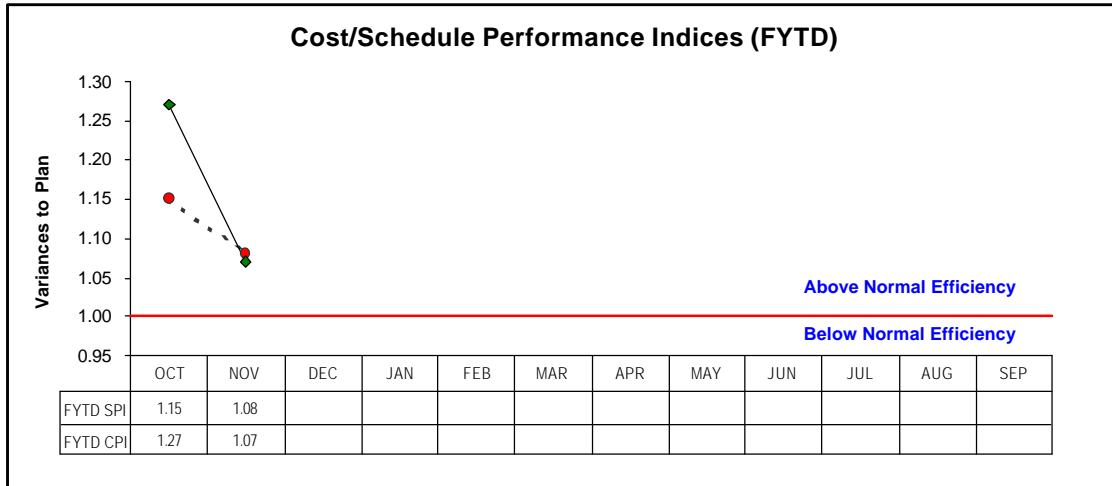
Project Management — 3.3.2.9/CP02

Description/Cause: The favorable cost variance is a result of contract work not yet initiated for CSER's, SW EIS and CDI.

Impact: There is no significant project impact at this time.

Corrective Action: Contract's are planned to be placed in December and January.

COST / SCHEDULE PERFORMANCE (MONTHLY AND FYTD)



ISSUES

Technical Issue

Issue: Shippingport fuel movement schedules and T Plant cell cleanout schedules are impacted by the ORR delay.

Impacts: Being assessed.

Corrective Actions: The ORR Corrective Action Plan was drafted and an alignment session was held on November 30, 2001 with RL-AMCP. All project issues have been evaluated through the Deficiency Evaluation Group (DEG) process; corrective action implementation is underway with a response due by the end of December. Progress has been made with RL on cell waste disposition, and cell clean out commenced on December 12, 2001. Obtain RL concurrence with the ORR Recovery Plan by December 21, 2001. Reschedule balance of T Plant production upon Recovery Plan approval and completion of first cell clean out and integrate with SNF by January 2002.

Regulatory/External/DOE Issues/DOE Requests

Issue: ATG's financial status jeopardizes project performance and TPA milestones.

Impacts: Being assessed.

Corrective Actions: Notification has been made to RL that interim milestone (M-91-12A) is in jeopardy due to ATG's financial status. RL has also been notified that PI FHI-M5 may be impacted. Cure notices were sent to ATG on all three major contracts and a response received. The response was deficient and a follow on cure notice has been drafted. Alternatives continue to be considered with other commercial contracting entities and on-site deployments. Inspection of wastes at ATG were conducted by Ecology. No issues noted.

Issue: RL authorization of the safety basis for retrieval of buried TRU drums is critical path to startup during the second quarter of FY 2002.

Impacts: Being assessed.

Corrective Actions: The Hydrogen Accumulation Study was transmitted to RL on November 15, 2001. DSA completion has been delayed due to greater than planned internal comment resolution requirements. Internal reviews/approval for transmittal to RL is planned by mid-January, two months behind project schedule. DSA review/interface support with DOE-RL ABD is required in January and February.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

None to report.